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STATEMENT BY APPLICANTOEN (use as many sheets as necessary)

COMPLETE IF KNOWN					
Application Number	09/907,009	1 98			
Confirmation Number	8057	1 82			
Filing Date	July 16, 2001	1 20			
First Named Inventor	Kenneth H. Abbott	1 63			
Group Art Unit	2173	77			
Examiner Name		1 63			
Attorney Docket No.	2944380081154	1			

Sheet of 294438008US4

EXAMINER INITIALS	Cite No.	U.S. Patent Document  NUMBER Kind Code (if known)	Name of Patentee or Applicant Date of Publication of Cited Occurrent Document		Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
TH	AA	4,916,441	Gombrich	4/10/90	
	AB	5,032,083	Friedman	7/16/91	
	AC	5,201,034	Matsuura et al.	4/6/93	
	AD	5,208,449	Eastman et al.	5/4/93	RECEIVED
	AE	5,214,757	Mauney et al.	5/25/93	JUL 1 8 2002
	AF	5,227,614	Danielson et al.	7/13/93 Tec	nnology Center 2100
	AG	5,335,276	Thompson et al.	8/2/94	indiogy ochicl 2100
	AH	5,416,730	Lookofsky	5/16/95	
	AI	5,470,233	Fruchterman et al.	11/28/95	
	ΑĴ	5,493,692	Theimer et al.	2/20/96	
	AK	5,506,580	Whiting et al.	4/9/96	-
	AL	5,555,376	Theimer et al.	9/10/96	
	AM	5,559,520	Barzegar et al.	9/24/96	
	AN	5,568,645	Morris et al.	10/22/96	
	AO	5,611,050	Theimer et al.	3/11/97	
	AP	5,642,303	Small et al.	6/24/97	
	AQ	5,646,629	Loomis et al.	7/8/97	
	AR	5,719,744	Jenkins et al.	2/17/98	
	AS	5,726,660	Purdy et al.	3/10/98	
	AT	5,781,913	Felsenstein et al.	7/14/98	
	AU	5,790,974	Tognazzini	8/4/98	
	AV	5,798,733	Ethridge	8/25/98	· · · · · · · · · · · · · · · · · · ·
	AW	5,812,865	Theimer et al.	9/22/98	
	AX	5,873,070	Bunte et al.	2/16/99	
	AY	5,878,274	Kono et al.	3/2/99	<del></del>
	AZ	5,902,347	Backman et al.	5/11/99	
	ВА	5,910,799	Carpenter et al.	6/8/99	
	ВВ	5,938,721	Dussell et al.	8/17/99	
	ВС	5,948,041	Abo et al.	9/7/99	

Patent an

Approved for use through 10/31/99. OMB 0651-0031 emark Office: U.S. DEPARTMENT OF COMMERCE

## JUL 1 5 2002 information disclosure Statement by Applicant Substitute for form 1449A/PTO (use as many sheets as necessary)

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Application Number	09/907,009				
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First Named Inventor	Kenneth H. Abbott				
Group Art Unit	2173				
Examiner Name					
Attorney Docket No.	294438008US4 DEC				

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Sheet		3	of	4	Attorney Docket No.	294438008US4	RECFIV	ED)
TH	вw		Technology," gyration.com/html 0/2/98]	/gyropoint.html			JUL 1 8 2	
	вх	[Accessed 10			-		echnology Cent	er 210
	BY	Hull et al., "Towards Situated Computing," Hewlett-Packard Laboratories, HPL-97-66 (1997).						
	BZ		media.mit.edu/affe		Measuring Emotional /projects/sentic_mouse		,	
	CA	Kortuem, Ge	erd "When Cyborg	s Meet: Buildir Vearable Compu	ng Communities of Conters," San Francisco, C	operating Wearable California, October	Agents," 3 <sup>rd</sup> 18-19, 1999	
	СВ		ezdi et al., "Collab , August 1994.	orative Interface	Agents," Proceedings	of AAAI '94 Confe	rence, Seattle,	
Lehikoinen, Juha et al., "MEX: A Distributed Software Architecture for Wearable Computers,"  3rd International Symposium on Wearable Computers, San Francisco, California, October 18-19, 19							outers," r 18-19, 1999	
	CD	Leonhardi, Alexander et al., "Virtual Information Towers – A Metaphor for Intuitive, Location-Aware Information Access in a Mobile Environment, 3 <sup>rd</sup> International Symposium on Wearable Computers, San Francisco, California, October 18-19, 1999						
	Lunt, Teresa F. et al., "Knowledge-Based Intrusion Detection," Proceedings of the Annual Artificial Intelligence Systems in Government Conference, IEEE Comp. Soc. Press, Vol. Conf. 4, 1989, pages 102-107.							
	CF		, "Agents That Red 7, July 1994.	duce Work and I	Information Overload,	" Communications o	of the ACM,	
	CG	Metz, Cade, 1998.	"MIT: Wearable	PCs, Electronic	Ink, and Smart Rooms	," PC Magazine, pp	. 192-193, June	
	сн		s, "The Truman Sh vired.com/news/ne 0/21/98]		story/15745.html			
	CI		and Healey, J., "A	Affective Wearab	oles," Personal Techno	logies vol. 1:231-24	0, MIT Media	
	Cì		reas in Affective C nedia.mit.edu/affe 0/2/98]			1 to		
	CK	"Research on Affective Pattern Recognition and Modeling,"  http://www.media.mit.edu/affect/AC_research/recognizing.html [Accessed 10/2/98]						

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Approved for use through 10/31/99. OMB 0651-0031 demark Office: U.S. DEPARTMENT OF COMMERCE

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SI	heet		4	of	4	Attorney Docket No.	294438008 Technology Center 2100				
	_			Sensing Human							
TI	4	CL			ect/AC_research/s	sensing.html	1				
1 -	<u>``</u>	CL		[Accessed 10/2/98]							
ı	,						or Augmented Memory," Proceedings				
	-	СМ	of the First In	iternational Symp	posium on Weara	ble Computers (ISWC '	'97), Cambridge, MA,				
<b></b>	$\vdash$		October 13-14								
, !					rface Considered						
	1 1	CN		www.media.mit.e	edu/people/rhoaes	s/Papers/no-wimp.html	·				
	$\vdash$		7/23/98	*	Ctrul o						
,						of Virtual Actors Based	on the AIR Model,"				
, ,		со	Proceedings C	Computer Annua	tion, June 5, 1997	<i>1.</i>					
	<del>  </del>		Schneider Ja	and Tim Curud	- HA Andolina War	Lt- Manatistian in or	O to the Mark O desired				
			Domain " 3rd	y and Jim Suruud	1, "Modeling wea	arable Negotiation in an rable Computers, San F	Opportunistic Task Oriented				
. !		СР	October 18-19	. דעט באווטוואטוו 1000 מיעט	nposium on wear	rable Computers, San 1	rancisco, California,				
	┝─┤	$\neg$			CA. A Mobile Co	mmunication and Com	puting Architecture," 3rd				
. !		- 1	International	Symposium on V	JA. A Mount Co	Milliumcauon anu com	ifornia, October 18-19, 1999				
	'	cQ	111101111111	Symposium c	Vearable Company	715, San Francisco, Car	donita, October 16-19, 1999				
			"SmartDesk Home Page," http://vismod.www.media.mit.edu/vismod/demos/smartdesk/								
1		. ]	[Accessed 10/		// Tability	louid, mit. vaca 7 to	sillos siliai tuesto				
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			"Smart Room			<del></del>					
1			http://vismod.	.www.media.mit.	.edu/vismod/demo	os/smartroom/	İ				
		cs	[Accessed 10/				1				
		- 1	Tan, Hong Z.	and Alex Pentlar	nd, "Tactual Disp	lays for Wearable Com	puting," IEEE, Massachusetts				
		ст	Institute of Te	chnology Media	Laboratory, pp. 8	34-88, 1997.					
		۲,									
				earable Computin							
, ,		cu	http://wearabl	es.www.media.m	nit.edu/projects/we	earables/	]				
<b></b>	<b></b>		[Accessed 10/								
			"Wearable Co	imputer Systems	for Affective Com	nputing,"					
		cv	http://www.m	edia.mit.edu/affe	ect/AC_research/w	vearables.html	1				
		١.	[Accessed 10/	2/98]		•	ļ				
<del></del>				2.1							
			Yang, Jie et a	I., "Smart Sight:	A Tourist Assista	ant System," 314 Interna	ntional Symposium on Wearable				
J		cw	Computers, 5	an Francisco, Cai	lifornia, October 1	18-19, 1999					
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Form PTO-1449 (Modified) (Use several sheets if necessary)

of

COMPLETE IF KNOWN					
Application Number	09/907,009				
Confirmation Number	8057				
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First Named Inventor	Kenneth H. Abbott				
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Examiner Name	Unknown				
Attorney Docket No.	294438008US4				

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U.S. PATENT DOCUMENTS									
Examiner Initials	Cite No.			Kind Code		Name of Patentee or Inventor of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines Where Relevant Figures Appear	s,
· TH		5,852	2,814		Α	llen	12/22/98		
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